Loureiro Engineering Associates, Inc.

RDMS DocID 00100139

October 12, 2000

Pratt & Whitney
CTD990672081
R9
RDMS # 100139

Permitting, Enforcement & Remediation Division
Bureau of Water Management
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Attn.: Richard C. Hathaway, Environmental Analyst 3

RE: Comments on Stadium at Rentschler Field, East Hartford
Airport/Klondike Area, Pratt & Whitney, East Hartford, Connecticut
LEA Comm. No. 88UT032

Dear Mr. Hathaway:

In response to your letter dated May 24, 2000 to Philip McLellan of the State of Connecticut Office of Policy and Management (OPM) with comments on the plan titled "Rentschler Field, East Hartford, Connecticut, Work Plan, Soil and Ground Water Characterization" dated May 2000 and prepared by Marin Environmental, Loureiro Engineering Associates, Inc. (LEA) has prepared the attached work plan. More specifically as requested by United Technologies Corporation (UTC), LEA has prepared the attached work plan to address your comments on Section 5.1.2 Soil and Ground Water Sample Locations of the Marin Work Plan.

The attached work plan includes your comment with a response that addresses the proposed sampling to be completed by LEA. With the understanding that OPM and UTC would like to complete the transfer of the area that includes areas addressed by your comments, UTC will begin implementing the work plan immediately.

If you have any questions or comments concerning the attached information, please contact either Joe Tota of UTC at 860-728-6510 or me at 860-747-6181.

Sincerely,

LOUREIRO ENGINEERING ASSOCIATES, INC.

Thomas J. Salimeno, P.E.
Vice President

Attachments

pc: J. Tota, United Technologies Corporation
A. Heter, Marin Environmental

G:\PROJECTS\P&W\KLONDIKE\68V8124\DOC\LETTERS\EPA\DEPLTR1.doc

SAMPLING PLAN
ADDITIONAL SOIL SAMPLING
STADIUM PARCEL

Pratt & Whitney
CTD 981067081
RG

Pratt & Whitney
East Hartford, Connecticut

PURPOSE:

To conduct soil sampling in response to comments made by Richard Hathaway of the Connecticut Department of Environmental Protection (DEP) Bureau of Water Management Permitting, Enforcement & Remediation Division (PERD) in a letter dated May 24, 2000 to Philip McLellan of the Connecticut Office of Policy and Management.

COMMENTS:

Two locations in the topographically high area southeast of proposed monitoring well MW-WL-3, with analyses for total petroleum hydrocarbons (TPH), semi-volatile organic compounds (SVOCs), and PCBs. This mounded area was reportedly used for disposal of parking lot sweepings and construction debris and has been previously sampled for metals and screened for VOCs.

Two soil borings will be installed in this area with soil samples collected for analysis of TPH, SVOCs, and PCBs. These soil borings will be advanced to the groundwater table at approximately 8 to 10 feet.

Two or more locations in the high area south of proposed monitoring well MW-WL-2 and east of existing monitoring well NK-MW-17S. This high mound area is within the filled pond area and has not been sampled previously.

The highest portion of this area is approximately fifteen feet higher than the adjacent ground surface. Two soil borings will be installed at the highest portion of this area with soil samples collected for analysis of volatile organic compounds (VOCs), TPH, SVOCs, and PCBs. These soil borings will be advanced as far as possible with the goal being 15 feet. Two additional soil borings will be installed at the base of the higher portion and advanced to the groundwater table at approximately 8 to 10 feet.

One or more locations in the vicinity of former test pit NK-TP-02, with analysis for TPH and VOCs.

One soil boring will be installed in this area with soil samples collected for analysis of TPH and VOCs. This soil boring will be advanced to the groundwater table at approximately 8 to 10 feet.

One location in a high area approximately 330 feet southeast of existing monitoring well NK-MW-06S.

This mounded area was not located during recent field reconnaissance activities. It is suspected that this topographic high is the result of clearing activities that occurred prior to the date of the aerial survey used as the base for all of the P&W East Hartford mapping. It is very likely that this high area was a pile of wood chips or the like. The field reconnaissance performed indicates

a slightly elevated area, approximately three feet higher than the adjacent ground surface. Additional time will be taken in an attempt to locate this area. If an area is found, one soil boring will be installed in this area with soil samples collected for analysis of metals (arsenic, barium, cadmium, chromium, lead, mercury, nickel, selenium, silver, and zinc) by mass analysis, VOCs, TPH, SVOCs, and PCBs. This soil boring will be advanced to the groundwater table at approximately 4 to 8 feet.

METHODOLOGY:

To address the potential impact to soils in the vicinity of the four areas identified by the DEP. Two, four, one and one soil borings will be advanced into each of four areas identified above, respectively. Soil samples will be collected in continuous 2-foot intervals to depths of approximately 8 to 10 feet or to groundwater whichever is shallower. In the case of the high mound within the filled pond area, two of the soil borings will be placed towards the higher elevations while two of the soil borings will be placed at lower elevations into the sides of the mound.

Based on field-screening results, a maximum of one discrete soil sample from each soil boring with the highest total VOC concentration will be selected for laboratory analysis. The eight soil samples will be submitted to UTC's chosen Laboratory Contractor for select analysis of Appendix IX VOCs by EPA Method 8260B, PCBs by EPA Method 8082, TPH by EPA Method 418.1, SVOCs by EPA Method 8270C. Select soil samples will also be submitted for analysis of metals (arsenic, barium, cadmium, chromium, lead, mercury, nickel, selenium, silver, and zinc) by mass analysis.

SCHEDULE:

October 2000. Specific dates to be determined.